ABSTRACT

An implantable stimulation electrode for use with an implantable tissue stimulator, especially a pacemaker, a defibrillator, a bone stimulator or a neurostimulator includes a metal base body, optionally one or more intermediate layers disposed on the base body and a coating covering the base body and, optionally, intermediate layers in order to increase tissue compatibility. The coating should prevent tissue irritations after implantation and more particularly increase the stimulus threshold associated therewith, have very high biocompatibility and also has an anti-inflammatory effect. An increase in tissue compatibility is achieved by virtue of the fact that the coating has a polysaccharide layer made of hyaluronic acid and/or hyaluronic acid derivatives.